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*Admitted only in Maryland
*Admitted only in Virginia
*Practice limited to
Federal Agencies

June 30, 2006

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2154

Mail Stop Petition

Re: U.S. Utility Patent Application
Application No. 09/223,046; Filed: December 30, 1998
For: **Method for Providing Extended Precision in SIMD Vector Arithmetic Operations**
Inventors: Van Hook *et al.*
Our Ref: 0056.10US (1778.0110001)

Sir:

Further to the telephone conversation between Ms. Darlene Lyon (of the Office of Patent Publication) and the undersigned on June 22, 2006, in which Ms. Lyon recommended filing a Petition to Withdraw Holding of Abandonment at the Office of Petitions, transmitted herewith for appropriate action are the following documents:

1. Petition to Withdraw Holding of Abandonment Under 37 C.F.R. § 1.181(a); and
2. Copy of Filing of December 13, 2005, consisting of:
 - a. Postcard date-stamped by the OIPE on December 13, 2005;
 - b. Issue Fee Transmittal (PTOL-85B);
 - c. Amendment Under 37 C.F.R. § 1.312 with one (1) replacement drawing sheet showing Figure 2 and one (1) annotated drawing sheet showing the requested correction to Figure 2;
 - d. Request for Refund; and
 - e. Copies of two (2) previously-submitted Issue Fee Transmittal (PTOL-85B) forms date-stamped by the OIPE to acknowledge receipt on December 5, 2000, and December 10, 2003.

Commissioner for Patents
June 30, 2006
Page 2

The above listed documents are filed through EFS-Web.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



LuAnne M. DeSantis
Attorney for Applicants
Registration No. 57,891

LMY/mhd
Enclosures

548601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

VAN HOOK *et al.*

Appl. No.: 09/223,046

Filed: December 30, 1998

For: **Method for Providing Extended
Precision in SIMD Vector
Arithmetic Operations**

Confirmation No.: 2296

Art Unit: 2154

Examiner: Donaghue, Larry D.

Atty. Docket: 0056.10US (1778.0110001)

Petition to Withdraw Holding of Abandonment Under 37 C.F.R. §1.181(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Mail Stop Petition

Sir:

In response to the Notice of Abandonment mailed May 9, 2006, Applicants respectfully request that the holding of abandonment in the above-identified application be withdrawn.

The Notice of Abandonment ("Notice") indicates that the application was abandoned for failure to timely pay the required issue fee and publication fee within the statutory period of three months from the mailing date of the Notice. In addition, the Notice indicates that the issue fee and publication fee had not been received. However, Applicants submitted the Issue Fee Transmittal on December 13, 2005, with the understanding that two previously paid issue and publication fees would be applied. In support of this Petition, a copy of the complete issue fee filing of December 13, 2005, is submitted herewith, along with a copy of a return postcard date-stamped by the OIPE of the U.S. Patent and Trademark Office (USPTO) indicating receipt of the documents on December 13, 2005. Specifically, the following documents are submitted herewith:

1. A copy of the Issue Fee Transmittal (PTOL-85B), as submitted on December 13, 2005;
2. A copy of an Amendment Under 37 C.F.R. § 1.312 with one (1) replacement drawing sheet showing Figure 2 and one (1) annotated drawing sheet showing the requested correction to Figure 2, as submitted on December 13, 2005;
3. A copy of a Request for Refund, as submitted on December 13, 2005;
4. Copies of the two previously-submitted Issue Fee Transmittal (PTOL-85B) forms date-stamped by the OIPE to acknowledge receipt on December 5, 2000, and December 10, 2003, as submitted on December 13, 2005; and
5. A copy of the return postcard, date-stamped by the OIPE to indicate receipt of these documents on December 13, 2005.

The two previously-submitted Issue Fee Transmittal forms were date-stamped by OIPE to acknowledge receipt on December 5, 2000, and December 10, 2003. Each of the previously-submitted Issue Fee Transmittal forms also includes printed acknowledgement of the amount received by the USPTO. The total amount previously paid is well in excess of the amount currently due. Therefore, the Request for Refund was also submitted to request a refund of the overpayment.

The Amendment Under 37 C.F.R. § 1.312 was submitted to correct typographical errors, minor informalities, and reference numbering in the specification, as well as to add an inadvertently omitted reference number in Figure 2. Applicants respectfully request that the accompanying Amendment and drawing sheets be forwarded to the Examiner for review and approval.

Based on the above remarks, Applicants respectfully request that the Notice of Abandonment be withdrawn and that the patent application be passed to issuance.

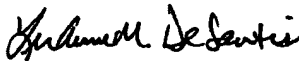
VAN HOOK *et al.*
Appl. No. 09/223,046

In accordance with 37 C.F.R. § 1.181(a) and MPEP § 711.03(c).I, no fee is believed to be due. However, the U.S. Patent and Trademark Office is hereby authorized to charge any fee not provided for herewith to our Deposit Account No. 19-0036.

Prompt and favorable consideration of this Petition is requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



LuAnne M. DeSantis
Attorney for Applicants
Registration No. 57,891

Date: 6/30/06

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Washington, D.C. 20005-3934
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546893_2.DOC

COPY

Applicants: Van Hook *et al.*

Application No.: 09/223,046

Filed: December 30, 1998

For: Method for Providing Extended Precision
in SIMD Vector Arithmetic Operations

Due Date: December 14, 2005

Art Unit: 2154

Confirmation No.: 2296

Examiner: Donaghue, Larry D.

Docket: 0056.10US (1778.0110001)

Atty: DJF/LMY

When receipt stamp is placed hereon, the USPTO acknowledges receipt of the following documents:

1. SKGF Cover Letter;
2. Issue Fee Transmittal (PTOL-85B);
3. Amendment Under 37 C.F.R. § 1.312 with one (1) replacement drawing sheet showing Figure 2 and one (1) annotated drawing sheet showing the requested correction to Figure 2 in red ink;
4. Request for Refund;
5. Copies of two previously-submitted Issue Fee Transmittal (PTOL-85B) forms date-stamped by OIPE to acknowledge receipt on December 5, 2000, and December 10, 2003; and
6. One (1) return postcard.



Mail Stop Issue Fee

Please Date Stamp and Return to Our Courier

Please Date Stamp and Return to Our Courier



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*Admitted only in Maryland
*Admitted only in Virginia
*Practice Limited to Federal Agencies

December 13, 2005

WRITER'S DIRECT NUMBER:

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COPY

**Mail Stop Issue Fee
Art Unit 2154**

Re: Allowed U.S. Utility Patent Application
Application No. 09/223,046; Filed: December 30, 1998
For: **Method for Providing Extended Precision in SIMD Vector Arithmetic Operations**
Inventors: Van Hook *et al.*
Our Ref: 0056.10US (1778.0110001)

Sir:

In response to the Notice of Allowance and Fee(s) Due dated September 14, 2005, the following documents are forwarded for appropriate action by the U.S. Patent and Trademark Office (USPTO):

1. Issue Fee Transmittal (PTOL-85B);
2. Amendment Under 37 C.F.R. § 1.312 with one (1) replacement drawing sheet showing Figure 2 and one (1) annotated drawing sheet showing the requested correction to Figure 2 in red ink;
3. Request for Refund;
4. Copies of two previously-submitted Issue Fee Transmittal (PTOL-85B) forms date-stamped by OIPE to acknowledge receipt on December 5, 2000, and December 10, 2003; and
5. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

Commissioner for Patents
December 13, 2005
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or to credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Donald J. Featherstone
Attorney for Applicants
Registration No. 33,876

DJF/LMY:krd
Enclosures

474425_1.DOC

COPY

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26111

7590

09/14/2005

STERNE, KESSLER, GOLDSTEIN & FOX PLLC
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

COPY

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/223,046	12/30/1998	TIMOTHY J. VAN HOOK	0056.10US.	2296

TITLE OF INVENTION: METHOD FOR PROVIDING EXTENDED PRECISION IN SIMD VECTOR ARITHMETIC OPERATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	12/14/2005
EXAMINER	ART UNIT	CLASS-SUBCLASS			
DONAGHUE, LARRY D	2154	712-222000			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1Sterne, Kessler, Goldstein & Fox P.L.L.C.

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

MIPS Technologies, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Mountain View, California

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☐ Issue Fee☐ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies Ten (10)

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0036 (enclose an extra copy of this form).

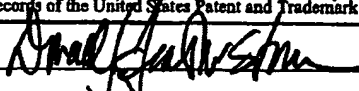
5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature



Date

12/13/05

Typed or printed name

Donald J. Featherstone

Registration No. 33,876

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Van Hook *et al.*

Appl. No.: 09/223,046

Filed: December 30, 1998

For: **Method for Providing Extended
Precision in SIMD Vector
Arithmetic Operations**

Confirmation No.: 2296

Art Unit: 2154

Examiner: Donaghue, Larry D.

Atty. Docket: 0056.10US (1778.0110001)

Amendment Under 37 C.F.R. § 1.312

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COPY

Sir:

Submitted herein is an Amendment Under 37 C.F.R. § 1.312. As payment of the issue fee is filed herewith, Applicants respectfully submit that filing under 37 C.F.R. § 1.312 is proper. (M.P.E.P. § 714.16.)

It is not believed that extensions of time are required. However, if an extension of time not provided for herewith is necessary to prevent abandonment of this application, then such extension of time is hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefore are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments to the Specification

COPY

Please amend the specification as indicated.

Please amend the paragraph beginning at page 7, line 22, as follows:

Figure 2 illustrates an exemplary computer system 212 comprised of a system bus 200 for communicating information, one or more central processors 201 coupled with the bus 200 for processing information and instructions, a computer readable volatile memory unit 202 (e.g., random access memory, static RAM, dynamic RAM, etc.) coupled with the bus 200 for storing information and instructions for the central processor(s) 201, a computer readable non-volatile memory unit 203 (e.g., read only memory, programmable ROM, flash memory, EPROM, EEPROM, etc.) coupled with the bus 200 for storing static information and instructions for the processor(s).

Please amend the paragraph beginning at page 9, line 11, as follows:

The vector register file is comprised of 32 64-bit general purpose registers 306 through 310. The general purpose registers 306 through 310 are visible to the programmer and can be used to store intermediate results. The preferred embodiment of the present invention uses the floating point registers (~~FGR~~) FPR of a floating point unit (FPU) as its vector registers.

Please amend the paragraph beginning at page 13, line 26, as follows:

COPY

Integer vector operations that write to the FPRs clamp the values being written to the target's representable range. That is, the elements are saturated for overflows and ~~under-flows~~ underflows. For overflows, the values are clamped to the largest representable value. For underflows, the values are clamped to the smallest representable value.

Please amend the paragraph beginning at page 17, line 1, as follows:

Figure 8 illustrates an exemplary ADDA.fmt arithmetic operation between elements of operand registers vs 800 and vt 802. Each of the registers 800, 802, and 804 contains 4 16-bit elements. Each letter in the elements (i.e., A, B, C, D, E, F, G, H, and I) stands for a binary number. FFFF is ~~[[an]]~~ a hexadecimal representation of 16-bit binary number, 1111 1111 1111 1111. The vs register 800 holds elements FFFF, A, B, and C. The selected elements of vt registers are FFFF, D, E, and F. The ADDA.fmt arithmetic instruction directs the VU to add corresponding elements: FFFF+FFFF (=1FFFD), A+D, B+E, and C+F. Each of these sums are then added to the corresponding existing elements (i.e., FFFF, G, H, and I) in the accumulator 804: FFFF+1FFFD, A+D+G, B+E+H, and C+F+I. The addition of the hexadecimal numbers, 1FFFD and FFFF, produces 2FFFC, an overflow condition for a general purpose 64-bit register. The accumulator's representable range is 48 bits in accordance with the present invention. Since this is more than enough bits to represent the number, the entire number 2FFFC is written into the accumulator. As a result, no bits have been lost in the addition and accumulation process.

Please amend the paragraph beginning at page 17, line 19, as follows:

COPY

Load Vector Add (ADDL.fmt). According to the ADDL.fmt instruction, the corresponding elements in vectors vt and vs are added and then stored into corresponding elements in the accumulator. Any overflows or underflows in the elements wrap around the accumulator's representable range and then are written into the accumulator ~~706~~ 806.

Please amend the paragraph beginning at page 17, line 25, as follows:

Figure 9 illustrates an exemplary ADDL.fmt arithmetic operation between elements of operand registers vs 900 and vt 902. Each of the registers 900, 902, and 904 contains 4 16-bit elements. Each letter in the elements (i.e., A, B, C, D, E, and F) stands for a binary number. FFFF is ~~[[an]]~~ a hexadecimal representation of 16-bit binary number, 1111 1111 1111 1111. The vs register 900 holds elements FFFF, A, B, and C. The selected elements of vt registers are FFFF, D, E, and F. The ADDA.fmt arithmetic instruction instructs the VU to add corresponding elements: FFFF+FFFF, A+D, B+E, and C+F. The addition of hexadecimal numbers, FFFF and FFFF, produces 1FFFD, a technical overflow condition for a general purpose 64-bit register. The present invention wraps the number 1FFFD around the accumulator's representable range, which is 48 bits. Since this is more than enough bits to represent the number, the entire number 1FFFD is written into the accumulator. As a result, no bits have been lost in the addition process.

COPY

- 5 -

Van Hook *et al.*
Appl. No. 09/223,046

Please amend the paragraph beginning at page 22, line 1, as follows:

A RACL/RACM/RACH instruction followed by WACL/WACH are used to save and restore the accumulator. This ~~save/restore~~ save/restore function is format independent, either format can be used to save or restore accumulator values generated by either QH or OB operations. Data conversion need not occur. The mapping between element bits of the OB format accumulator and bits of the same accumulator interpreted in QH format is implementation specific, but consistent for each implementation.

Atty. Dkt. No. 0056.10US (1778.0110001)

Amendments to the Drawings

FIG. 2 is sought to be amended to add a reference number corresponding to that used in the specification as originally filed. Specifically, reference number 200 was inadvertently omitted from FIG. 2 as filed and is sought to be added. The requested change to FIG. 2 introduces no new matter. A replacement drawing sheet incorporating the requested correction to FIG. 2 is submitted herewith, along with an annotated drawing sheet showing the requested correction in red ink.

Identification of the accompanying annotated and replacement drawing sheets is provided in accordance with 37 C.F.R. §§ 1.84(c) and 1.121(d). Acknowledgement of the receipt, approval, and entry of the replacement drawing sheet into this application is respectfully requested.

Amendments to the Claims

Applicants submit no amendments to the claims.

COPY

Remarks

COPY

This Amendment corrects formal matters without changing the scope of the claims. The specification is sought to be amended to correct typographical errors, minor informalities, and reference numbering in order to correspond to the drawings as originally filed. FIG. 2 is sought to be amended to add a reference number corresponding to that used in the specification as originally filed. These changes are believed to introduce no new matter. Accordingly, Applicants respectfully request that this Amendment be considered and entered.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Donald J. Featherstone
Attorney for Applicants
Registration No. 33,876

Date: 12/13/05

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474757_1.DOC

apl. No. 09/223,046; Filed: December 30, 1998
Dkt No. 0056.10US (1778.0110001); Group Unit: 2154
Inventors: Van Hook et al.; Tel. No.: 202-371-2600
For: Method for Providing Extended Precision in SIMD
Vector Arithmetic Operations

COPY

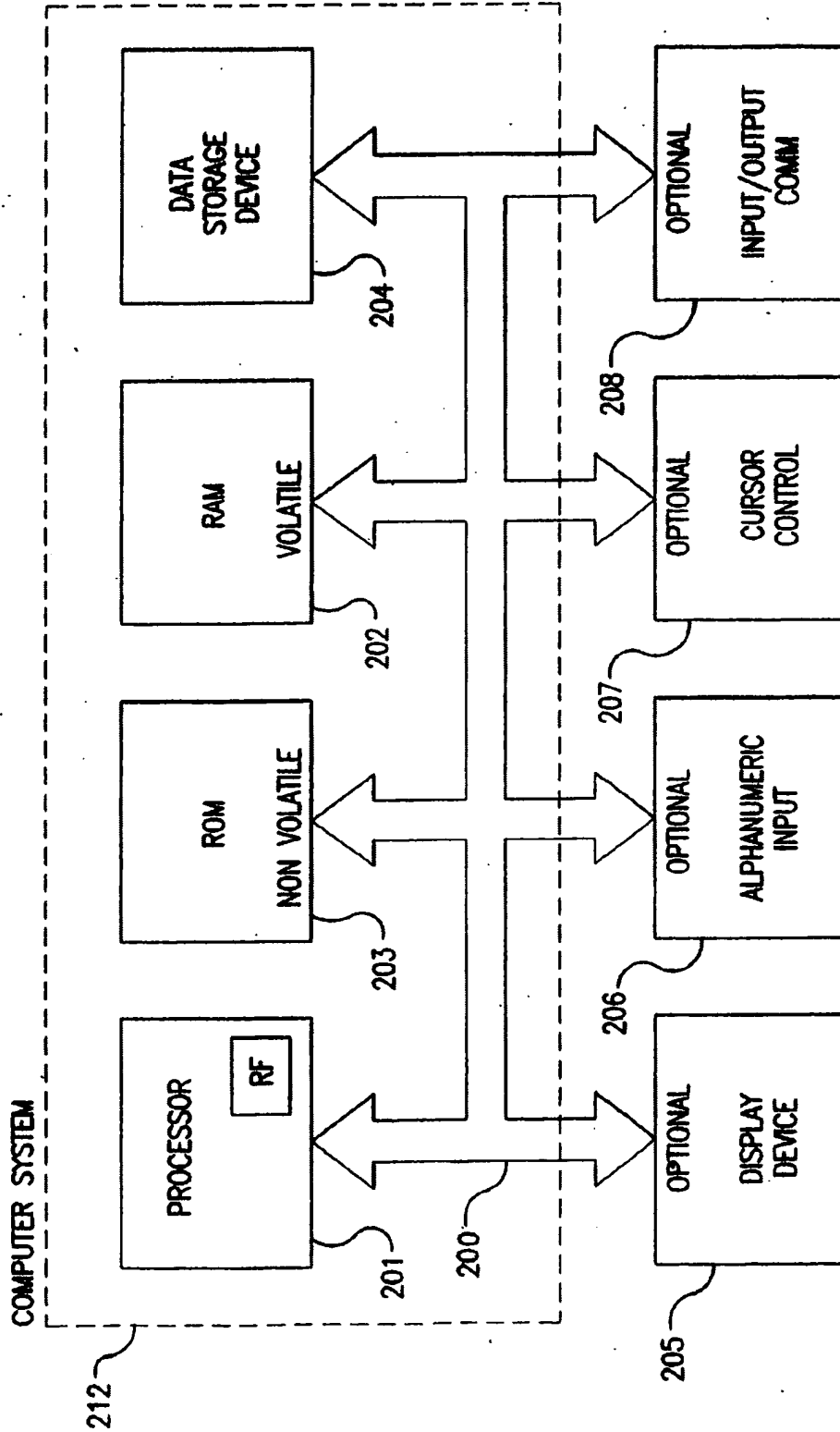
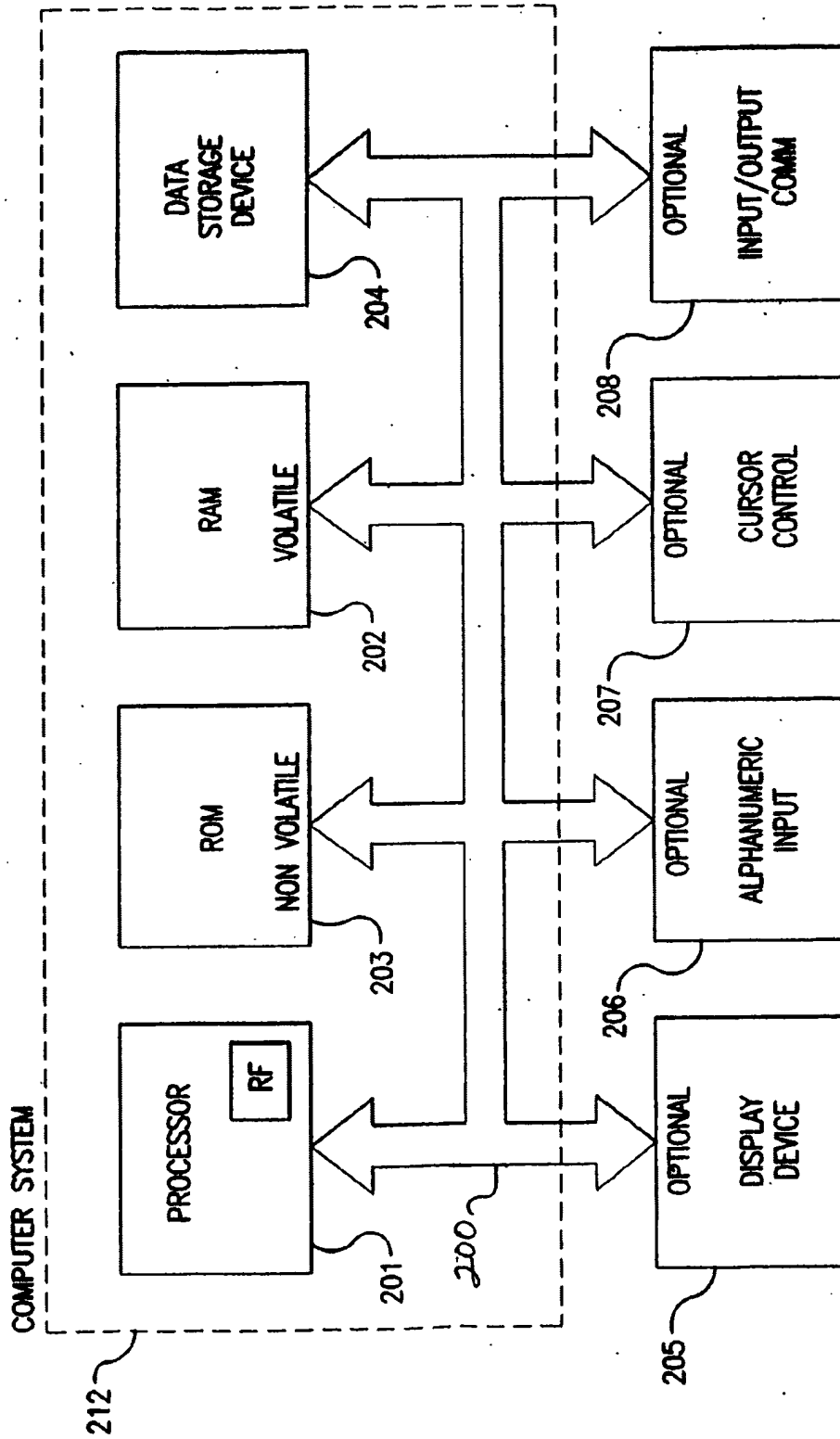


FIG. 2

Appl. No. 09/223,046; Filed: December 30, 1998
Dkt No. 0056.10US (177&.0110001); Group Unit: 2154
Inventors: Van Hook *et al.*; Tel. No.: 202-371-2600
For: Method for Providing Extended Precision in SIMD
Vector Arithmetic Operations

COPY



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Van Hook *et al.*

Appl. No.: 09/223,046

Filed: December 30, 1998

For: **Method for Providing Extended
Precision in SIMD Vector
Arithmetic Operations**

Confirmation No.: 2296

Art Unit: 2154

Examiner: Donaghue, Larry D.

Atty. Docket: 0056.10US (1778.0110001)

Request for Refund

COPY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

It is hereby respectfully requested that the previous issue fee payments filed in the above-captioned patent application on December 5, 2000, and December 10, 2003, be re-applied to cover the issue fee and publication fee in this application, as well as the fee for ten (10) advance order patent copies. Furthermore, it is respectfully requested that any remaining prior payment submitted on the dates noted above be credited to our Deposit Account No. 19-0036.

It is asserted that the following payments were filed on December 5, 2000, and December 10, 2003:

\$1240.00	Issue Fee payment (filed December 5, 2000);
\$ 30.00	Payment for ten (10) advance patent copies (filed December 5, 2000);
\$1330.00	Issue Fee payment (filed December 10, 2003);
\$ 300.00	Publication Fee payment (filed December 10, 2003); and
<u>\$ 30.00</u>	Payment for ten (10) advance patent copies (filed December 10, 2003).
\$2930.00	Total payments filed December 5, 2000, and December 10, 2003

Credit is believed to be due for the following reasons. On December 5, 2000, and December 10, 2005, Applicants submitted a total of \$2930.00 to the U.S. Patent and Trademark Office (USPTO) to cover multiple payments of the issue fee and the fee for ten (10) advance order patent copies, as well as the publication fee, for the above-captioned application. On September 14, 2005, the USPTO mailed a Notice of Allowance and Fee(s) Due, in response to which payment of the issue fee is required by December 14, 2005. Accordingly, it is respectfully requested that \$1730.00 of the total \$2930.00 previously paid on December 5, 2000, and December 10, 2003, be re-applied in the present application as follows:

\$1400.00	Issue Fee;
\$ 300.00	Publication Fee; and
<u>\$ 30.00</u>	Payment for advance order of ten (10) patent copies.
\$1730.00	Total

Applicants wish to note that the Notice of Allowance and Fee(s) Due mailed September 14, 2005, lists the issue and publication fees due as \$1400 and \$0, respectively. However, Applicants request herein that the previously-submitted payments be re-applied to cover *both the issue fee and the publication fee* for this application, as well as the \$30.00 fee required for ten (10) advance order patent copies, the total of which is \$1730.00 as shown above. Applicants request a refund of the remaining \$1200.00 previously paid on December 5, 2000, and December 10, 2003, as a credit to our Deposit Account No. 19-0036.

In support of the above request, copies of two previously-submitted Issue Fee Transmittal (PTOL-85B) forms date-stamped to show receipt by OIPE on December 5, 2000,

- 3 **COPY**

Van Hook *et al.*
Appl. No. 09/223,046

and December 10, 2003, and showing payments received by the USPTO are provided herewith. Applicants wish to note that these documents were obtained using the Image File Wrapper feature of the USPTO's PAIR system.

If the individual reviewing this request believes, for any reason, that personal communication with the undersigned may expedite the processing of the requested refund, then he or she is invited to telephone the undersigned at the number provided below.

The U.S. Patent and Trademark Office is hereby authorized to debit any underpayment, including the issue fee, publication fee, and/or fee for advance order patent copies, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Donald J. Featherstone
Attorney for Applicants
Registration No. 33,876

Date: 12/13/05

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

474408_1.DOC

Atty. Dkt. No. 0056.10US (1778.0110001)

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

LM21/0911
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
SUITE 600
WASHINGTON DC 20005-3934

Note: The certificate of mailing below can only be used for domestic mailings of the Issue Fee Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

Certificate of Mailing

I hereby certify that this Issue Fee Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above on the date indicated below.

COPY
(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	TOTAL COST	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/223,046	12/30/98	038	DONAGHUE, L	2783 09/11/00
First Named Applicant	HSU,	35 USC 154(b) term ext. =	0 Days.	

TITLE OF INVENTION: **METHOD FOR PROVIDING EXTENDED PRECISION IN SIMD VECTOR ARITHMETIC OPERATIONS**

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPUN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
0	0056.10US.	712-222.000	R88 UTILITY	NO	\$1210.00	12/11/00

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Use of PTO form(s) and Customer Number are recommended, but not required.

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" indication form PTO/SB/47) attached.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Sterne, Kessler, Goldstein & Fox P.L.L.C.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

MIPS Technologies, Inc.

(B) RESIDENCE (CITY & STATE OR COUNTRY)

Mountain View, California

Please check the appropriate assignee category indicated below (will not be printed on the patent)

☐ Individual ☒ Corporation or other private group entity ☐ government

4a. The following fees are enclosed (make check payable to Commissioner of Patents and Trademarks):

☒ Issue Fee

☒ Advance Order - # of Copies 10

4b. The following fees or deficiency in these fees should be charged to:

DEPOSIT ACCOUNT NUMBER 19-0036

(ENCLOSE AN EXTRA COPY OF THIS FORM)

☒ Issue Fee

☒ Advance Order - # of Copies 10

The COMMISSIONER OF PATENTS AND TRADEMARKS IS requested to apply the Issue Fee to the application identified above.

(A) (Signature)

Michael S. Ray, Reg. No. 33,997

(Date)

12/5/00

NOTE: The Issue Fee will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND FEES AND THIS FORM TO: Box Issue Fee, Assistant Commissioner for Patents, Washington D.C. 20231

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

01/04/2001 AZERGAW2 00000159 09223046

01 FC:142

1240.00 OP

02 FC:361

30.00 OP

TRANSMIT THIS FORM WITH FEE

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Please Legibly make-up with any corrections or use Block 1)
 26111 7590 09/10/2003

STERNE, KESSLER, GOLDSTEIN & FOX PLLC
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/223,046	12/30/1998	TIMOTHY J. VAN HOOK	0056.10US.	2296

TITLE OF INVENTION: METHOD FOR PROVIDING EXTENDED PRECISION IN SIMD VECTOR ARITHMETIC OPERATIONS

COPY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	12/10/2003

EXAMINER	ART UNIT	CLASS-SUBCLASS
DONAGHUE, LARRY D	2154	712-222000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Sterne, Kessler, Goldstein & Fox P.L.L.C.

2. _____

3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

MIPS Technologies, Inc.

Mountain View, California

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee
☒ Advance Order - # of Copies Ten (10)

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.

☒ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 18-0036 (enclose an extra copy of this form).

☒ **Order for Refund:** I request to refund the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)
Donald J. Featherstone

(Date)
12/10/03

Registration No. 33,876

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

12/11/2003 ZJUWAR2 00000010 09223046

01 FC:1501	1330.00 OP
02 FC:1504	300.00 OP
03 FC:6001	30.00 OP

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